

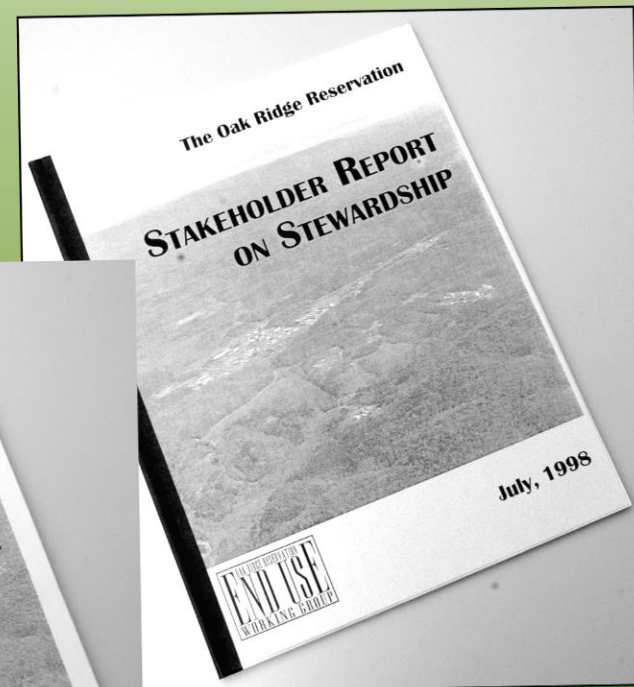
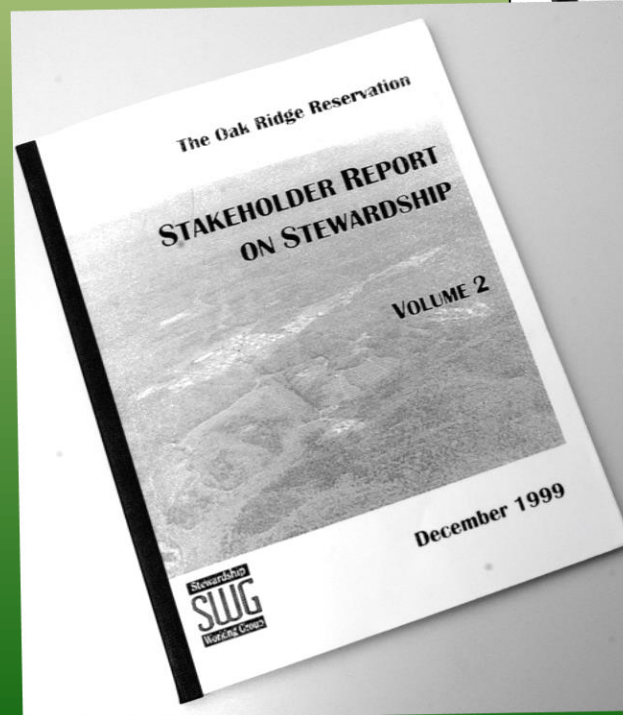


Stewardship on the Oak Ridge Reservation



ORSSAB Established in 1995

- Published two reports on stewardship in 1998 and 1999





ORSSAB and Stewardship

- Developed long-term strategic plan for stewardship
- Drafted an annotated outline for long-term stewardship
- Recommended that DOE adopt a stewardship implementation plan



ORSSAB and Stewardship

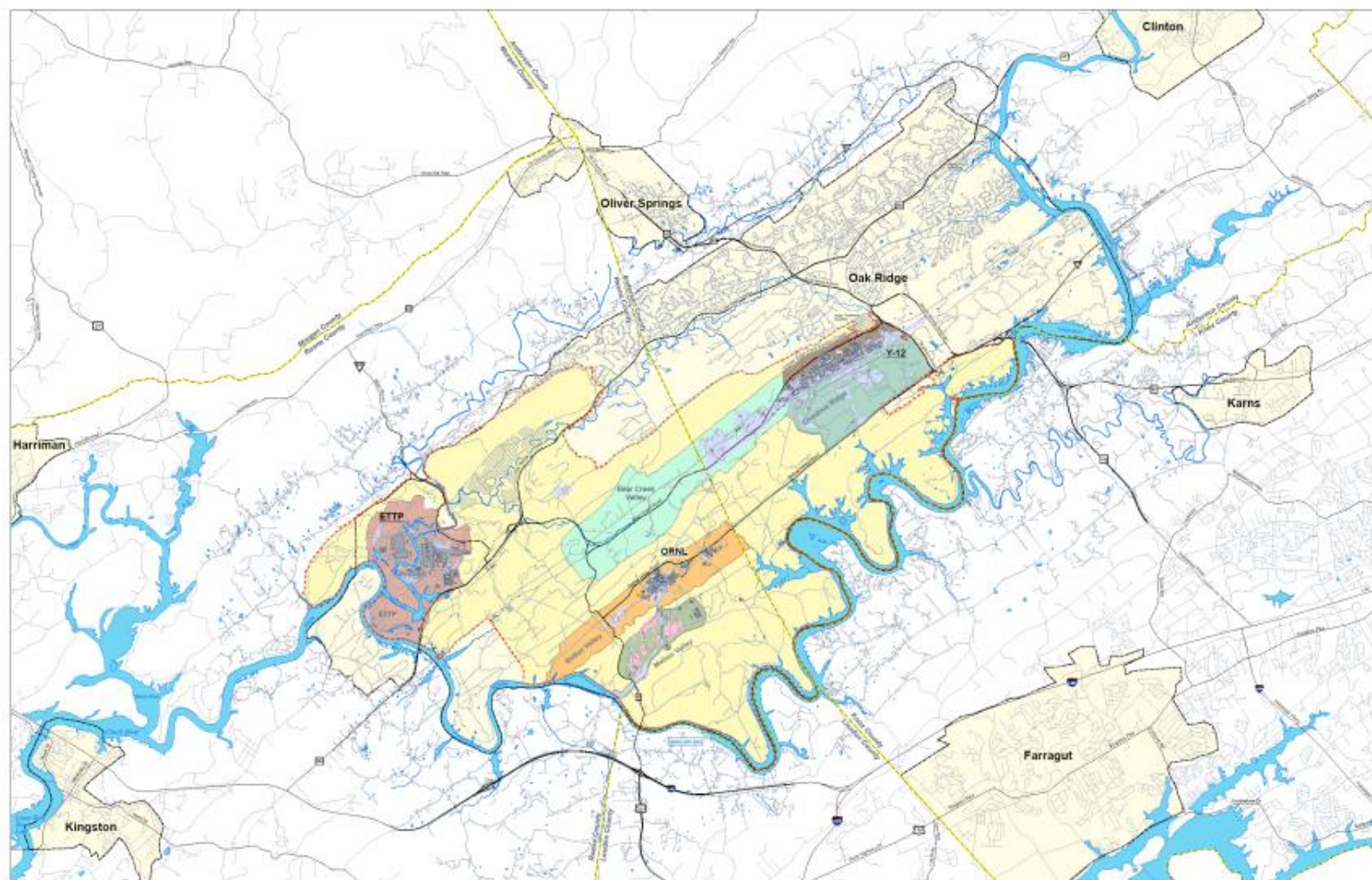
- Developed the Stewardship Education Resource Kit

Lesson plans
Videos
Case study
Supporting
material
Games





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- Map of the Oak Ridge Watershed showing various land use designations, watershed decision areas, and land use controls. The map includes labels for surrounding areas like Kingston, Farragut, Karns, Clinch, and Oliver Springs. A legend at the bottom defines symbols for roads, boundaries, city limits, county boundaries, watershed decision areas (ETP, ETPP, Aesthetic/Under Used Recreation, Open Space, Open Ridge Recreation, Wetlands and Lentic), land use controls (Urban, Limited Development, Rural, Rural Urban, Rural Forest, Wetlands, Rural Open Space, Agricultural Production Land), and watershed decision areas (ETP, ETPP, Aesthetic/Under Used Recreation, Open Space, Open Ridge Recreation, Wetlands and Lentic). A north arrow and a scale bar (0 to 1 mile) are also present.



- Primary Roads
- Secondary Roads
- City Limits
- County Boundaries
- Oak Ridge Reservation Boundaries

- Buildings
- Contamination Areas
- Remediated Under Deed Restrictions
- Clean Parks
- Rivers and Lakes

- Watershed Decision Areas**
- ETPP
 - Melton Valley
 - Bethel Valley
 - Upper East Fork Poplar Creek
 - Bear Creek Valley
 - Chestnut Ridge

Land Use Controls

- Fence
- Deed Restriction
- Sign
- Security Patrol
- Monitoring
- Excavation/Preservation Permit



MAP TITLE: Oak Ridge Reservation Mapping

DATE: 10/08/08
 MAP DOCUMENT NUMBER: 0008 - Local
 COORDINATE SYSTEM: NAD83 State Plane East

CREATED BY: Carrie White, Bechtel Jacobs Company LLC (BJC)
 Environmental Information Systems (EIS)
 CHECKED BY: Teresa Jones, DCL, CM Program Manager





ORSSAB and Stewardship

- Works with county Registers of Deeds to make recorded notices of contamination easy to find.

PUBLIC NOTICE

NOTICE OF CONTAMINATION AND FUTURE USE LIMITATIONS, AND INTENT TO PROVIDE
NOTATIONS ON OWNERSHIP RECORD (DEED RESTRICTIONS) IN MELTON VALLEY, OAK RIDGE
NATIONAL LABORATORY, OAK RIDGE, TENNESSEE

UNITED STATES DEPARTMENT OF ENERGY
OAK RIDGE OFFICE
P.O. BOX 2001
OAK RIDGE, TENNESSEE 37831

Stewardship Activities on the Oak Ridge Reservation

Oak Ridge DOE and Stewardship

Stewardship activities at about 50 remediated operable units:

- Fences restricting access to contaminated areas
- Warning signs
- Regular monitoring
- Excavation permits
- Property record notices
- Security patrols



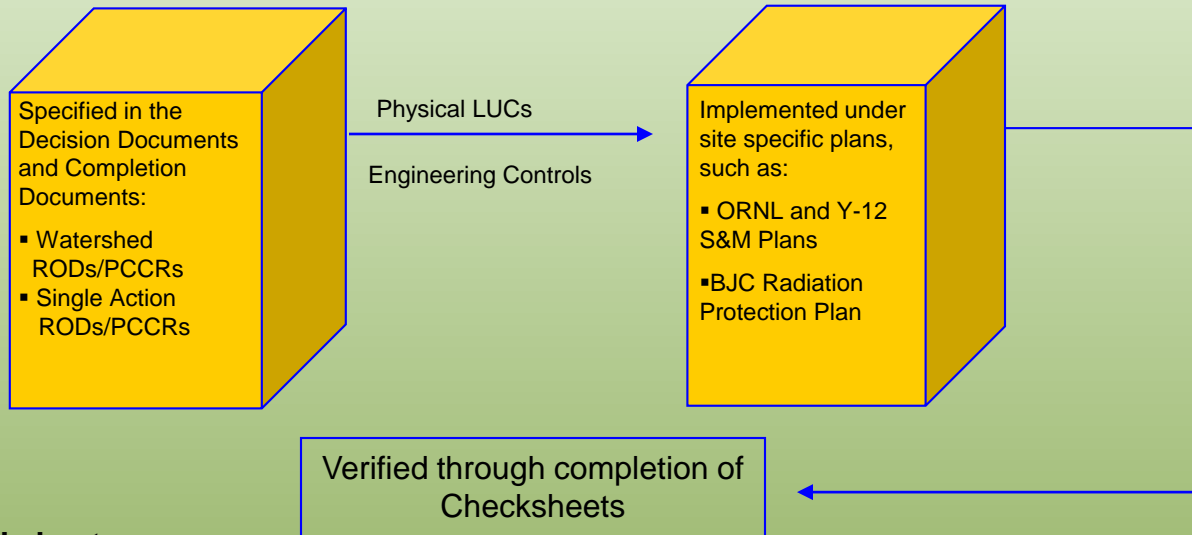
DOE Oak Ridge Stewardship Obligation

Approximately \$19 million is dedicated annually to stewardship.

DOE produces an annual Remediation Effectiveness Report .

Stewardship requirements are re-evaluated every five years in the CERCLA Five-year Review.

Stewardship Tracking



Site Inspection Checksheets

- BJC Y-12, ORNL, and ETP S&M Projects
- MSRE Project

Treatment System Checksheets

- BJC ORNL S&M Project (CH8)
- BJC Waste Ops (MV GW Collection System)
- B&W Y-12 (BSWTS, CMTS, EEVOC)

WAG 13 Cesium Plots

QUARTERLY

Requested By: _____ Signature: _____ Inspection Date: _____ Time: _____

Inspection Item	Pass/Fail	ACC?	ACC?	IF NOT acceptable, describe deficiency and action to be taken	SNR Tracking Number
Are all signs to use the chemical and biological monitoring system in place and working?					
Are the signs in place and working as designed, including both the physical and biological monitoring system?					
Is the inspection process visible and documented with the appropriate frequency?					
Is the inspection process being followed as required?					
Are all required postings in place?					
Is there a copy of the inspection report?					
Is the status of the site being monitored by the site?					

ACC? - Acceptable
 N/A - Not Applicable
 IF NOT acceptable, describe deficiency and action to be taken.

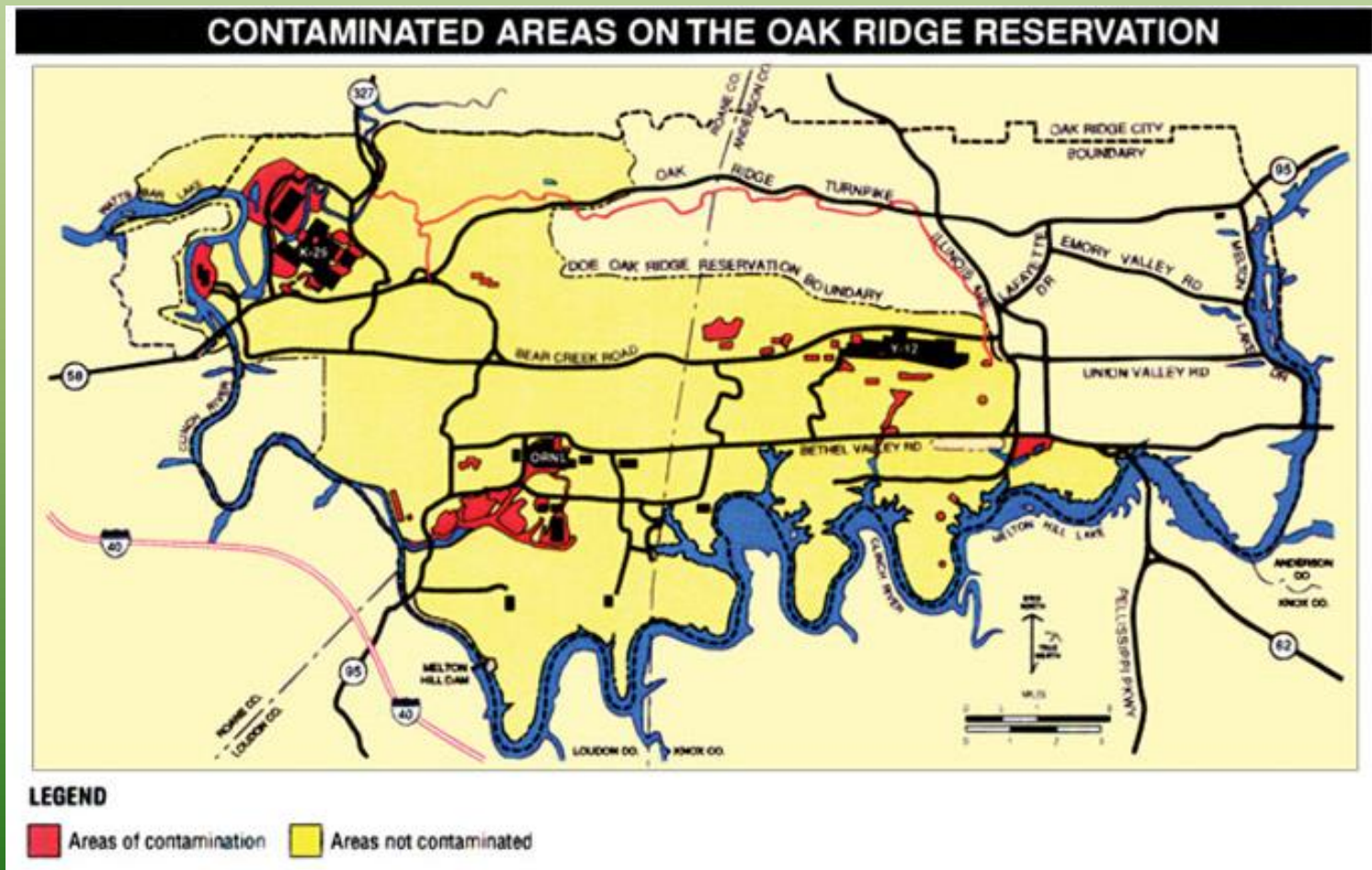
Inspected by: _____ Date: _____

A-7

Checksheets tracked and compiled

Status of compliance with stewardship requirements summarized in the Remediation Effectiveness Report.

Contaminated areas of the Reservation





What Issues Remain?

Contaminated areas will require long-term stewardship with active involvement of the principal and oversight stewards.





What Issues Remain?

Must make certain stewardship activities remain in place when cleaned up areas are turned over to other landlords.

What are the Issues Across the Complex?

DOE has no long-term strategic plan or guidance for stewardship at ongoing mission sites.

No substantive contact to date with site-specific stewardship liaison.

There is no obvious participation with future landlords in long-term stewardship planning.



Summary

Stewardship must be included in remediation decision making.

Funding for stewardship must be part of the remediation decision making.

Requirements for long-term stewardship must be included in RODs and other legally binding documents.



Summary

Development of a national policy for long-term stewardship.

Establishment of a Stewardship Office at Headquarters.

Establishment of a legal mandate for stewardship funding separate from remediation funding.

Better understanding of the tradeoffs between cleanup and stewardship.



Summary

Development of guidance across the complex for site-specific plans and implementation.

Better involvement of stakeholders and local government.



Summary

Information systems for future generations.

Increased involvement of DOE liaison and site landlords.

Continued education of stakeholders and local government about stewardship.



Summary

Responsibility for long-term stewardship must be clearly established.

The hope is that discussions at this conference will facilitate continued dialogue and interface between sites and DOE-HQ on long-term stewardship issues.